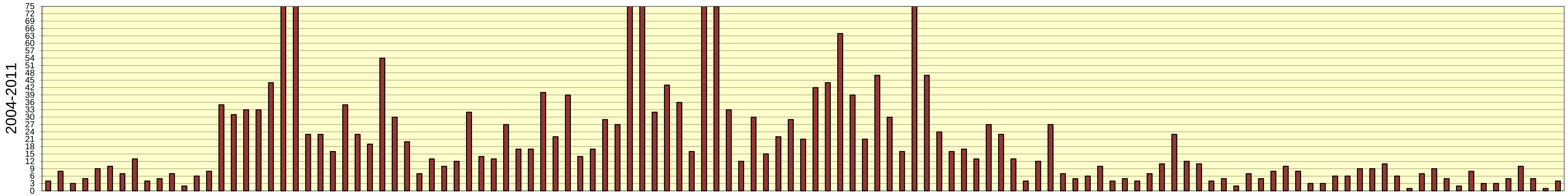
Seasonal Fire Activity Timelines for PSA NW06 - Large Fire = 1200+ acres



Date	6/15	6/16	6/17	6/18	6/19	6/20	6/21	6/22	6/23	6/24	6/25	6/26	6/27	6/28	6/29	6/30
Fires	4	8	3	5	9	10	7	13	4	5	7	2	6	8	35	31
Large fires																1

Date	7/1	7/2	7/3	7/4	7/5	7/6	7/7	7/8	7/9	7/10	7/11	7/12	7/13	7/14	7/15	7/16	7/17	7/18	7/19	7/20	7/21	7/22	7/23	7/24	7/25	7/26	7/27	7/28	7/29	7/30	7/31
Fires	33	33	44	##	83	23	23	16	35	23	19	54	30	20	7	13	10	12	32	14	13	27	17	17	40	22	39	14	17	29	27
Large fires						1	3			2		4							1			2		2	1		1				

Date	8/1	8/2	8/3	8/4	8/5	8/6	8/7	8/8	8/9	8/10	8/11	8/12	8/13	8/14	8/15	8/16	8/17	8/18	8/19	8/20	8/21	8/22	8/23	8/24	8/25	8/26	8/27	8/28	8/29	8/30	8/31
Fires	93	88	32	43	36	16	##	75	33	12	30	15	22	29	21	42	44	64	39	21	47	30	16	82	47	24	16	17	13	27	23
Large fires	1	2	2	1			5	1				1					1	2	2			1		5	3		1	1			2

Date	9/1	9/2	9/3	9/4	9/5	9/6	9/7	9/8	9/9	9/10	9/11	9/12	9/13	9/14	9/15	9/16	9/17	9/18	9/19	9/20	9/21	9/22	9/23	9/24	9/25	9/26	9/27	9/28	9/29	9/30
Fires	13	4	12	27	7	5	6	10	4	5	4	7	11	23	12	11	4	5	2	7	5	8	10	8	3	3	6	6	9	9
Large fires															1							1			1					

Date	10/1	10/2	10/3	10/4	10/5	10/6	10/7	10/8	10/9	10/10	10/11	10/12	10/13	10/14	10/15
Fires	11	6	1	7	9	5	2	8	3	3	5	10	5	1	4
Large fires											1				

Total Fires = 2672

Large Fires = 53

NW06 – Central Oregon

Season ending date estimates for central Oregon utilized the Predictive Services 7-day Significant Fire Potential Product. Given that the product determines the probability of a significant fire occurring, based on historical dryness levels and historic fire occurrence, the analysis results assume end of season when the product observed "green" (.1% probability of a significant fire event) for three or more consecutive days, and where periods of green were never separated by more than a single yellow and or brown day (5 to 10% probability of a significant event).

Large fire definition per NWCC predictive services for PSA NW06 is 1200 acres or more. The earliest large fire occurred June 30, 2008 and the latest large fire occurred October 11, 2009.

A TERM file was generated using FireFamily Plus *v.* 4.1. The season was set **May 15 to October 15** for the **years 1994-2012** using the same rationale as above produced these results:

25% of the seasons end on or before September 23
50% of the seasons end on or before September 30
75% of the seasons end on or before October 6
90% of the seasons end on or before October 11
99% of the seasons end on or before October 18

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FireFamily Plus Term Report

Station: SIG - C2
Term Name: NW06
Season Start Day: 5\15
Data Years: 1994 - 2012
Alpha: 15.597895
Beta: 0.007094
R-Squared: 0.935466

Comment:

Term Dates
Year     Day     #Days    Comment
1994     9/28     136
1996    10/ 3     142
1997     8/18      95
1998     9/17     125
1999    10/ 5     143
2000     9/29     138
2001    10/ 6     144
2002     9/27     135
2003    10/ 4     142
2004     8/20      98
2005     9/29     137
2006     9/29     137
2007     9/15     123
2008    10/ 8     147
2009    10/ 4     142
2010     9/ 9     117
2011    10/ 4     142
2012    10/13     152

Key Probabilities
Probability     Date
 0.25          September 23
 0.50          September 30
 0.75          October 06
 0.90          October 11
 0.99          October 18

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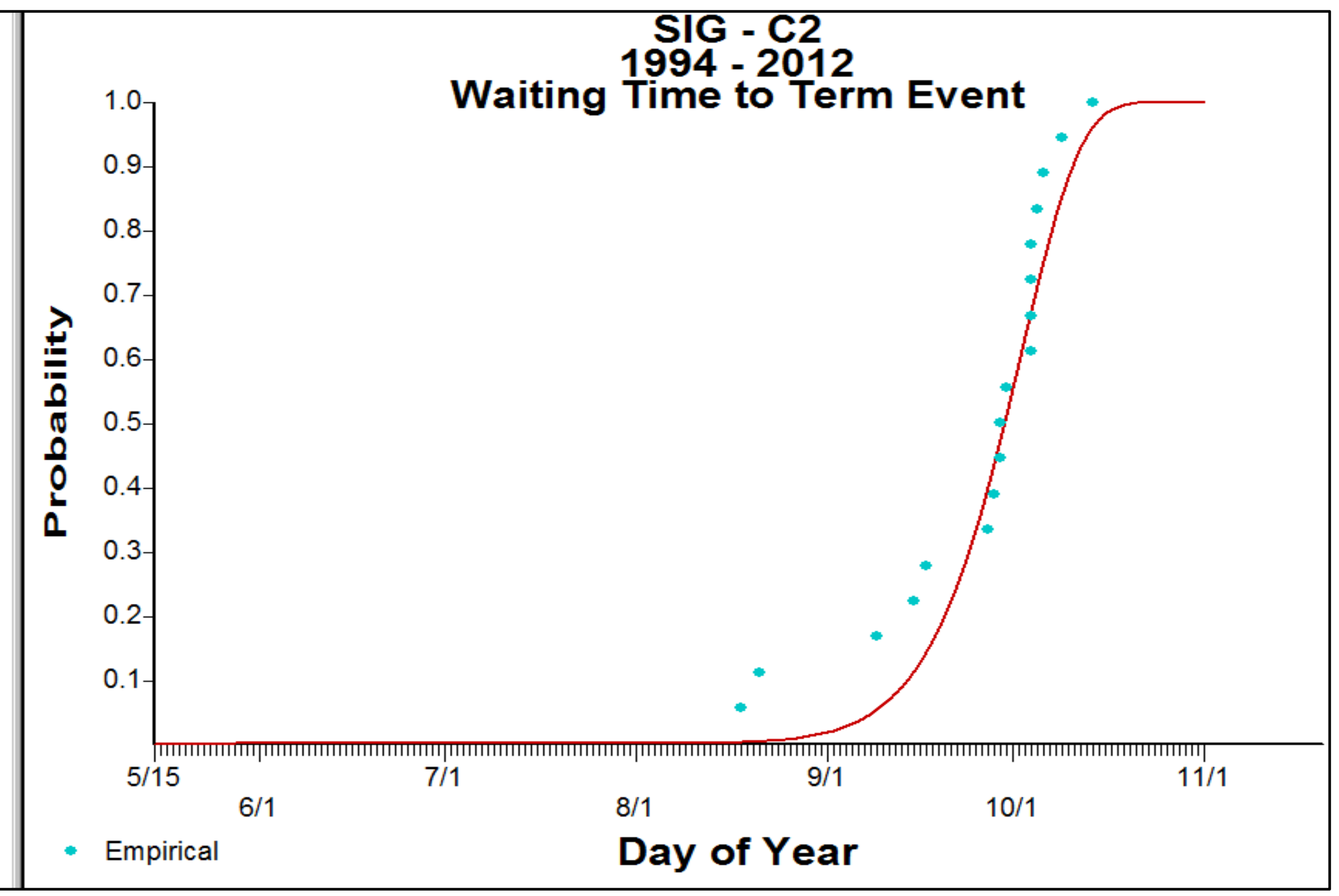

PSA NW06 (C2)

This area represents north central Oregon including the east slopes of the north Oregon Cascades. . PSA fuel moistures are determined by the average of the Key RAWS in the zone.

Key RAWS: Wamic Mill, Mutton Mountain, Colgate, Haystack, Board Hollow, Cold Springs

Each RAWS receives equal weighting for NFDRS Index calculations.
Used to determine DL: ERC for fuel moisture G
"Large Fire Day" = A day with an occurrence of at least one 1200+ acre fire

"ERC threshold values used for DL determination
Based on June-September data (2000-2011)

DL	ERC Threshold	% of all fire season days	% of all large fire days	Conditional Probability of a large fire
Green (moist)	≤ 56	33%	5%	1%
Yellow (dry)	57 – 74	54%	62%	5%
Brown (very dry)	≥ 75	13%	33%	10%

* Conditional Probability: Assumes at least 1 ignition

Specifics for PSA NW06

Burn Environment – When the burn environment is critical there is about a 10% chance of getting a large fire on any particular day due to burning conditions alone. There is less than a 2% chance that a large fire will occur on a day independent of a lightning episode.

Lightning episodes that produce large fire occur on average 3-4 times per year, between 2000- 2012 86 large fires occurred as a result of lightning.